

**I Claim:**

1. A mobile intra-operative microscopic diagnosis laboratory capable of being utilized to analyze fresh tissue specimens and provide intra-operative consultation within 20 minutes comprising:
  - 5 (a) means for transporting said laboratory;
  - (b) means within said laboratory for freezing fresh tissue specimens;
  - (c) means within said laboratory for reading slides to make microscopic diagnosis;
  - (d) means within said laboratory for handling fresh tissue specimens;
  - 10 (e) means within said laboratory for indicating various locations in fresh tissue specimens; and
  - (f) means within said laboratory for dissecting said specimens.
2. The Mobile Intra-Operative Microscopic Diagnosis Laboratory of Claim 1 further comprising means within said laboratory for communicating said  
15 microscopic diagnosis to an outside entity.
- 3 The Mobile Intra-Operative Microscopic Diagnosis Laboratory of Claim 2 wherein the means for communicating is an intercom system.
4. The Mobile Intra-Operative Microscopic Diagnosis Laboratory of Claim 1 further comprising means within said laboratory for histological staining  
20 said fresh tissue specimen after said specimen is frozen.
5. The Mobile Intra-Operative Microscopic Diagnosis laboratory of Claim 1 wherein said means for transporting said laboratory is a van.

6. The Mobile Intra-Operative Microscopic Diagnosis Laboratory of Claim 1 wherein said means for reading slides to make microscopic diagnosis is a microscope.
7. The Mobile Intra-Operative Microscopic Diagnosis Laboratory of Claim 1 wherein said means for freezing said fresh tissue specimens is a cryostat.
8. The Mobile Intra-Operative Microscopic Diagnosis Laboratory of Claim 1 wherein said means for indicating locations in fresh tissues is by inking said tissues.
9. The Mobile Intra-Operative Microscopic Diagnosis Laboratory of Claim 1 wherein said means for dissecting is by cutting with a sharp instrument.
10. The Mobile Intra-Operative Microscopic Diagnosis Laboratory of Claim 1 further comprising means to dispose of contaminated materials.
11. A method for analyzing fresh tissue specimens and providing intra operative consultation within twenty minutes comprising:
  - (a) accepting said fresh tissue specimens;
  - (b) freezing said fresh tissue specimens within a mobile laboratory, said laboratory on wheels and capable of being moved from location to location each day;
  - (c) handling said fresh tissue specimens;
  - (d) indicating various locations on fresh tissue specimens;
  - (e) cutting said fresh tissue specimens.
12. The method of analyzing fresh tissue specimens of Claim 11 further comprising disposing of all fresh tissue specimens.

13. (once amended) The method of Claim 11 further comprising performing all operations under the regulations governed by the Clinical Laboratory Improvements Act of 1988, in effect as of April 8, 2004.
14. The method of Claim 11 further comprising identifying specimens and giving said specimen a specimen number.
15. The method of Claim 11 further comprising performing all operations within a mobile laboratory having air conditioning.
16. The method of Claim 11 further comprising providing a separate power source for air conditioning within said laboratory.